

IN THE CLAIMS:

The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claims 1-5 (canceled).

Claim 6 (currently amended): A method for testing an optical component, comprising:

providing a golden electrical component that generates signals having known characteristics;

~~removably~~ non-frangibly connecting the optical component to a high-frequency probe;

~~removably~~ non-frangibly connecting the high-frequency probe to the golden electrical component;

transmitting an electrical signal from the golden electrical component to the optical component; and

identifying a response by the optical component to the electrical signal.

Claim 7 (original): The method of Claim 6, further comprising evaluating the response by the optical component.

Claim 8 (currently amended): A method for testing an optical component, comprising:

providing a golden electrical component that generates signals having known characteristics;

~~removably~~ non-frangibly connecting the optical component to a high-frequency probe;

~~removably~~ non-frangibly connecting the high-frequency probe to the golden electrical component;

transmitting an electrical signal from the golden electrical component to the optical component;

identifying a response by the optical component to the electrical signal; and
adjusting the electrical signal.

Claim 9 (previously presented): The method of Claim 7, wherein the evaluating of the response by the optical component comprises determining if the optical component responds in substantially the same manner as a golden optical component would respond to a substantially equivalent electrical signal.

Claim 10 (previously presented): The method of Claim 7, wherein the evaluating of the response by the optical component comprises comparing the response by the optical component to a response by a golden optical component to a substantially equivalent electrical signal.

Claims 11-20 (canceled).

Claim 21 (previously presented): The method of Claim 8, further comprising identifying a response by the optical component to the adjusted electrical signal.

Claim 22 (previously presented): The method of Claim 21, further comprising evaluating the response by the optical component to the adjusted electrical signal.

Claim 23-25 (canceled).

Claim 26 (previously presented): The method of Claim 6, wherein the providing of a golden electrical component comprises providing an electrical component that operates according to product application requirements.

Claim 27 (previously presented): The method of Claim 6, wherein the golden electrical component is located on an application PCB.

Claims 28-34 (canceled).

Claim 35 (previously presented): The method of Claim 8, wherein the golden electrical component is located on an application PCB.

Claim 36 (previously presented): The method of Claim 8, wherein the golden electrical component is a golden PCB having at least one component that generates signals having known characteristics.

Claim 37 (currently amended): A method for testing an optical component, comprising:

providing a golden printed circuit board having golden components that generate signals having known characteristics;

~~removably~~ non-frangibly connecting the optical component to a high-frequency probe;

~~removably~~ non-frangibly connecting the high-frequency probe to the golden printed circuit board;

transmitting an electrical signal from the golden printed circuit board to the optical component; and

identifying a response by the optical component to the electrical signal.

Claim 38 (previously presented): The method of Claim 37, further comprising adjusting the electrical signal.

Claim 39 (previously presented): The method of Claim 38, further comprising identifying a response by the optical component to the adjusted electrical signal.

Claim 40 (previously presented): The method of Claim 6, further comprising adjusting the electrical signal.

Claim 41 (previously presented): The method of Claim 7, wherein the evaluating of the response by the optical component comprises determining if the optical component responds in substantially the same manner as a golden optical component would respond to a substantially equivalent electrical signal.

Claim 42 (previously presented): The method of Claim 7, wherein the evaluating of the response by the optical component comprises comparing the response by the optical component to a response by a golden optical component to a substantially equivalent electrical signal.

Claim 43 (previously presented): The method of Claim 37, further comprising evaluating the response by the optical component.

Claim 44 (previously presented): The method of Claim 43, wherein the evaluating of the response by the optical component comprises determining if the optical component responds in substantially the same manner as a golden optical component would respond to a substantially equivalent electrical signal.

Claim 45 (previously presented): The method of Claim 43, wherein the evaluating of the response by the optical component comprises comparing the response by the optical component to a response by a golden optical component to a substantially equivalent electrical signal.